



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Marshall Medoff et al.  
 Serial No. : 10/615,748  
 Filed : July 9, 2003  
 Title : CELLULOSIC AND  
           LIGNOCELLULOSIC  
           MATERIALS AND  
           COMPOSITIONS AND  
           COMPOSITES MADE  
           THEREFROM

Art Unit : 1623  
 Examiner : Elli Peselev  
 Confirmation No.: 9893  
 Notice of Allowance Date: April 7, 2006

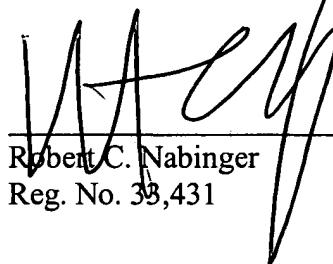
**MAIL STOP ISSUE FEE**  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

RESPONSE TO NOTICE OF ALLOWANCE

In response to the Notice of Allowance mailed July 7, 2006, enclosed are a completed issue fee transmittal form PTOL-85b and a check for \$1030 for the required issue fee and publication fee, including patent copies.

Please apply any additional charges or credits to our Deposit Account No. 06-1050.

Respectfully submitted,

  
 Robert C. Nabinger  
 Reg. No. 33,431

Date: April 12, 2006

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 225 Franklin Street  
 Boston, MA 02110  
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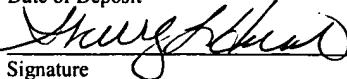
21307854.doc

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

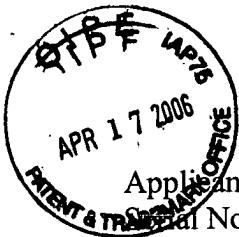
April 12, 2006

Date of Deposit

  
 Signature

Sherry L. Hunt

Typed or Printed Name of Person Signing Certificate



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 COMPOSITIONS AND COMPOSITES MADE THEREFROM

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Commissioner for Patents  
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 Alexandria, VA 22313-1450

AMENDMENT AFTER ALLOWANCE  
PURSUANT TO 37 C.F.R. §1.312

Applicants request that the Examiner provide an initialed copy of the Form 1449 that accompanied the Information Disclosure Statement filed on February 28, 2006. Two copies of the Form 1449 that accompanied the Information Disclosure Statement are enclosed.

Applicants have received a Notice of Allowance dated April 7, 2006. Accordingly, this request is being made under 37 C.F.R. § 1.312. Please apply any other charges or credits to Deposit Account No. 06 1050. Please apply any other charges or credits to Deposit Account No. 06-1050.

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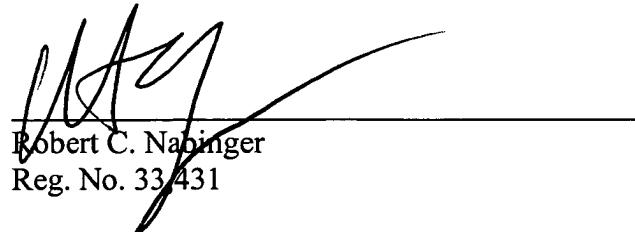
Sherry L. Hunt

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Applicant : Marshall Medoff et al.  
Serial No. : 10/615,748  
Filed : July 9, 2003  
Page : 2

Attorney's Docket No. 08895-019002

Respectfully submitted,

  
\_\_\_\_\_  
Robert C. Nabinger  
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Date: April 12, 2006

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21307952.doc

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08895-019002	Application No. 10/615,748
<b>Information Disclosure Statement</b> <i>by Applicant</i> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Marshall Medoff et al.	
		Filing Date July 9, 2003	Group Art Unit 1623

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2,519,442	08/22/50	Delorme et al.			
	AB	2,558,378	06/26/51	Petry			
	AC	2,635,976	04/21/53	Meiler et al.			
	AD	2,658,828	11/10/53	Pattilloch			
	AE	2,665,261	01/05/54	Baker			
	AF	2,680,102	06/01/54	Becher			
	AG	2,757,150	07/31/56	Heritage			
	AH	2,789,903	04/23/57	Lukman et al.			
	AI	2,935,763	05/10/60	Newman et al.			
	AJ	3,308,218	03/7/67	Wiegand et al.			
	AK	3,309,444	03/14/67	Schueler			
	AL	3,493,527	02/03/70	Schueler			
	AM	3,516,953	06/23/70	Wood			
	AN	3,645,939	02/29/72	Gaylord			
	AO	3,671,615	06/20/72	Price			
	AP	3,718,536	02/27/73	Downs et al.			
	AQ	3,836,412	09/17/74	Boustany et al.			
	AR	3,878,143	04/15/75	Baumann et al.			
	AS	3,888,810	06/10/75	Shinomura			
	AT	3,943,079	03/09/76	Hamed			
	AU	3,956,541	05/11/76	Pringle			
	AV	3,956,555	05/11/76	McKean			
	AW	4,005,162	01/25/77	Bucking			
	AX	4,016,232	04/05/77	Pringle			
	AY	4,033,913	07/05/77	Sunden			
	AZ	4,045,603	08/30/77	Smith			
	AAA	4,056,591	11/01/77	Goettler et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BA	4,058,580	11/15/77	Flanders			
	BB	4,097,648	06/27/78	Pringle			
	BC	4,112,038	09/05/78	Garner			
	BD	4,115,497	09/19/78	Halmo Rolls et al.			
	BE	4,145,389	03/20/79	Smith			
	BF	4,168,251	09/18/79	Schinzel et al.			
	BG	4,187,352	02/05/80	Klobbie			
	BH	4,203,876	05/20/80	Dereppe et al.			
	BI	4,204,010	05/20/80	Kramm et al.			
	BJ	4,228,116	10/14/80	Colombo et al.			
	BK	4,239,679	12/16/80	Rolls et al.			
	BL	4,244,903	01/13/81	Schnause			
	BM	4,248,743	02/03/81	Goettler			
	BN	4,248,820	02/03/81	Haataja			
	BO	4,250,222	02/10/81	Mavel et al.			
	BP	4,263,184	04/21/81	Leo et al.			
	BQ	4,265,846	05/05/81	Shen et al.			
	BR	4,273,688	06/16/81	Porzel et al.			
	BS	4,277,428	07/07/81	Luck et al.			
	BT	4,279,790	07/21/81	Nakajima			
	BU	4,281,039	07/28/81	Miura et al.			
	BV	4,290,988	09/22/81	Nopper et al.			
	BW	4,305,901	12/15/81	Prince et al.			
	BX	4,311,554	01/19/82	Herr			
	BY	4,311,621	01/19/82	Nishizawa et al.			
	BZ	4,318,351	03/09/82	Munk			
	BAA	4,323,625	04/06/82	Coran et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	CA	4,328,136	05/04/82	Blount			
	CB	4,376,144	03/08/83	Goettler			
	CC	4,382,108	05/03/83	Carroll et al.			
	CD	4,393,020	07/12/83	Li et al.			
	CE	4,414,267	11/08/83	Coran et al.			
	CF	4,420,351	12/13/83	Lussi et al.			
	CG	4,426,470	01/17/84	Wessling et al.			
	CH	4,440,708	04/03/84	Haataja et al.			
	CI	4,454,091	06/12/84	Chion et al.			
	CJ	4,455,709	06/26/84	Zanini			
	CK	4,481,701	11/13/84	Hewitt			
	CL	4,491,553	01/01/85	Yamada et al.			
	CM	4,503,115	03/05/85	Hemels et al.			
	CN	4,505,869	03/19/85	Nishibori			
	CO	4,506,037	03/19/85	Suzuki et al.			
	CP	4,508,595	04/02/85	Gasland			
	CQ	4,551,294	11/05/85	Wottka et al.			
	CR	4,559,376	12/17/85	Kubat			
	CS	4,562,218	12/31/85	Fornadel et al			
	CT	4,594,372	06/10/86	Natov et al.			
	CU	4,597,928	07/01/86	Terentiev et al			
	CV	4,610,900	09/09/86	Nishibori			
	CW	4,645,631	02/24/87	Hegenstaller et al.			
	CX	4,659,754	04/21/87	Edwards et al.			
	CY	4,663,225	05/05/87	Farley et al.			
	CZ	4,686,251	08/11/87	Ostermann et al.			
	CAA	4,687,793	08/11/87	Motegi et al.			

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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	DA	4,716,062	12/29/87	Klein			
	DB	4,717,742	01/05/88	Beshay			
	DC	4,734,236	03/29/88	Davis			
	DD	4,737,532	04/12/88	Fujita et al.			
	DE	4,738,723	04/19/88	Frizzell et al.			
	DF	4,746,688	05/24/88	Bistak et al.			
	DG	4,769,109	09/06/88	Tellvik et al.			
	DH	4,769,274	09/06/88	Tellvik et al.			
	DI	4,810,445	03/07/89	Lamb, Sr. et al.			
	DJ	4,818,604	04/04/89	Tock			
	DK	4,851,458	07/25/89	Hopperdietzel			
	DL	4,865,788	09/12/89	Davis			
	DM	4,874,095	10/17/89	Warych			
	DN	4,894,192	01/16/90	Warych			
	DO	4,915,764	04/10/90	Miani			
	DP	4,927,579	05/22/90	Moore			
	DQ	4,935,182	06/19/90	Ehner et al.			
	DR	4,960,548	10/02/90	Ikeda et al.			
	DS	4,963,603	10/16/90	Felegi, Jr. et al.			
	DT	4,968,463	11/06/90	Levasseur			
	DU	4,973,440	11/27/90	Tamura et al.			
	DV	4,978,489	12/18/90	Radvan et al.			
	DW	4,988,478	01/29/91	Held			
	DX	5,002,713	03/26/91	Palardy et al.			
	DY	5,008,310	04/16/91	Beshay			
	DZ	5,009,586	04/23/91	Pallmann			
	DAA	5,028,266	07/02/91	Rettenmaier			

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	EA	5,057,167	10/15/91	Gersbeck			
	EB	5,075,057	12/24/91	Hoedl			
	EC	5,075,359	12/24/91	Castagna et al.			
	ED	5,082,605	01/21/92	Brooks et al.			
	EE	5,084,135	01/28/92	Brooks et al.			
	EF	5,087,400	02/11/92	Theuveny			
	EG	5,088,910	02/18/92	Goforth et al.			
	EH	5,093,058	03/03/92	Harmon et al.			
	EI	5,096,046	03/17/92	Goforth et al.			
	EJ	5,096,406	03/17/92	Brooks et al.			
	EK	5,120,776	06/09/92	Raj et al.			
	EL	5,137,668	08/11/92	Lamb, Sr.			
	EM	5,155,147	10/13/92	Dietz et al.			
	EN	5,183,837	02/02/93	Lepori et al.			
	EO	5,194,461	03/16/93	Berquist et al.			
	EP	5,213,021	05/25/93	Goforth et al.			
	EQ	5,254,617	10/19/93	Inoue et al.			
	ER	5,284,610	02/08/94	Tai			
	ES	5,285,973	02/15/94	Goforth et al.			
	ET	5,298,102	03/29/94	Pohl			
	EU	5,351,895	10/04/94	Brooks et al.			
	EV	5,366,790	11/22/94	Liebel			
	EW	5,406,768	04/18/95	Giuseppe et al.			
	EX	5,437,766	08/01/95	Van Phan et al.			
	EY	5,439,542	08/08/95	Liebel			
	EZ	5,439,749	08/08/95	Klasell, et al.			
	EAA	5,441,801	08/15/95	Deaner et al.			

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	FA	5,480,602	01/02/96	Nagaich			
	FB	5,486,553	01/23/96	Deaner et al.			
	FC	5,497,594	03/12/96	Giuseppe et al.			
	FD	5,518,677	05/21/96	Deaner et al.			
	FE	5,539,027	07/23/96	Deaner et al.			
	FF	5,540,244	07/20/96	Brooks et al.			
	FG	5,543,205	08/06/96	Liebel			
	FH	5,558,933	09/24/96	Anthony			
	FI	5,574,094	11/12/96	Malucelli et al.			
	FJ	5,582,682	12/10/96	Ferretti			
	FK	5,585,155	12/17/96	Heikkila et al.			
	FL	5,643,359	07/01/97	Soroushian et al.			
	FM	5,643,635	07/01/97	Ahn et al.			
	FN	5,695,874	12/09/97	Deaner et al.			
	FO	5,746,958	05/05/98	Gustafsson et al.			
	FP	5,759,680	06/02/98	Brooks et al.			
	FQ	5,767,177	06/16/98	Omente et al.			
	FR	5,773,138	06/30/98	Seethamraju et al.			
	FS	5,819,491	10/13/98	Davis			
	FT	5,827,607	10/27/98	Deaner et al.			
	FU	5,851,469	12/22/98	Muller et al.			
	FV	5,876,641	03/02/99	LeClair et al.			
	FW	5,882,564	03/16/99	Puppin			
	FX	5,932,334	08/03/99	Deaner et al.			
	FY	5,948,505	09/07/99	Puppin			
	FZ	5,948,524	09/07/99	Seethamraju et al.			
	FAA	5,981,067	11/09/99	Seethamraju et al.			

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	GA	5,985,429	11/16/99	Plummer et al.			
	GB	6,004,668	12/21/99	Deaner et al.			
	GC	6,007,656	12/28/99	Heikkila et al.			
	GD	6,015,611	01/18/00	Deaner et al.			
	GE	6,015,612	01/18/00	Deaner et al.			
	GF	6,054,207	04/25/00	Finley			
	GG	6,106,944	08/22/00	Heikkila et al.			
	GH	6,122,877	09/26/00	Hendrickson et al.			
	GI	6,210,792	04/03/01	Seethamraju et al.			
	GJ	6,346,160	02/12/02	Puppin			
	GK	6,357,197	03/19/02	Serino et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes      No
	GL	2104903	0/16/83	Great Britain			
	GM	0 161 766	11/21/85	EP			
	GN	2171953	9/10/86	Great Britain			
	GO	AU-B-47811/90	01/09/89	AU			
	GP	0 409 525 A2	07/16/90	EP			
	GQ	WO 92/07022	10/22/91	WIPO			
	GR	WO 96/13551	05/09/96	WIPO			
	GS	WO 97/18173	05/22/97	WIPO			

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	GT	Kokta et al., "Use of Wood Fibers in Thermoplastic Composites", Polymer Composites, Oct. 1983, vol. 4, No. 4, pp. 229-232.
	GU	Yam et al., "Composites From Compounding Wood Fibers With Recycled High Density Polyethylene", Polymer Engineering and Science, Mid-Jun. 1990, vol. 30, No. 11, pp. 693-699.

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<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	HA	Zadorecki et al., "Future Prospects for Wood Cellulose as Reinforcement in Organic Polymer Composites", Polymer Composites, Apr. 1989, vol. 10, No. 2, pp. 69-77.
	HB	Woodhams et al., "Wood Fibers as Reinforcing Fillers for Polyolefins", Polymer Engineering and Science, Oct. 1984, vol. 24, No. 15, pp. 1166-1171.
	HC	Maldas et al., "Composites of Polyvinyl Chloride-Wood Fibers: IV. Effect of the Nature of Fibers", Journal of Vinyl Technology, Jun. 1989, vol. 11, No. 2, pp. 90-98.
	HD	Raj et al., "Use of Wood Fibers as Filler in Common Thermoplastic Studies on Mechanical Properties", Science and Engineering of Composite Materials, vol. 1, No. 3, 1989, pp. 85-98.
	HE	Kokta et al., "Use of Grafted Wood Fibers in Thermoplastic Composites V. Polystyrene", pp. 85-96.
	HF	Klason et al., "The Efficiency of Cellulosic Fillers in Common Thermoplastics. Part I. Filling Without Processing Aids or Coupling Agents", International Journal of Polymeric Materials, Mar. 1984, pp. 159-187.
	HG	Dalvag et al., "The Efficiency of Cellulosic Fillers in Common Thermoplastics. Part II. Filling with Process Aids and Coupling Agents", International Journal of Polymeric Materials, 1985, vol. 11, pp. 9-38.
	HH	Rogalski et al., "Poly(Vinyl-Chloride) Wood Fiber Composites", Antec '87, pp. 1436-1441.
	HI	Raj et al., "Use of Wood Fibers in Thermoplastics. VII. The Effect of Coupling Agents in Polyethylene-Wood Fiber Composites", Journal of Applied Polymer Science, vol. 37, (1989), pp. 1089-1103.
	HJ	Kokta et al., "Composites of Polyvinyl Chloride-Wood Fibers. I. Effect of Isocyanate as a Bonding Agent", Polym. Plast. Technol. Eng. 29(1&2), 1990, pp. 87-118.
	HK	Kokta et al., "Composites of Polyvinyl Chloride-Wood Fibers. III. Effect of Silane as Coupling Agent", Journal of Vinyl Technology, Sep. 1990, vol. 12, No. 3, pp. 146-153.
	HL	Kokta et al., "Composites of Poly(Vinyl Chloride) and Wood Fibers. Part II: Effect of Chemical Treatment", Polymer Composites, Apr. 1990, vol. 11, No. 2, pp. 84-89.

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